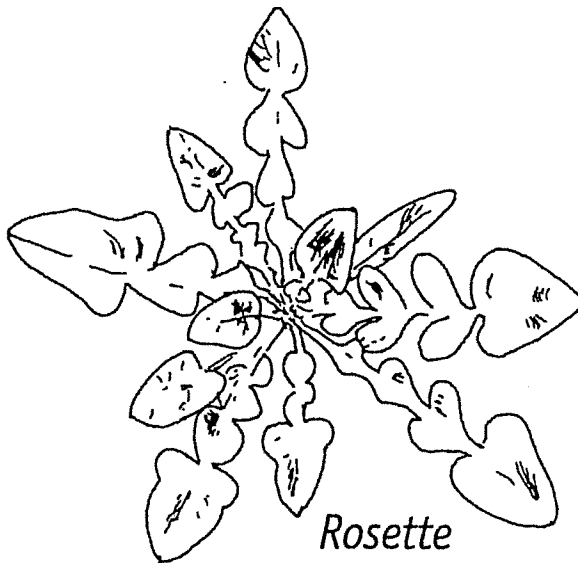
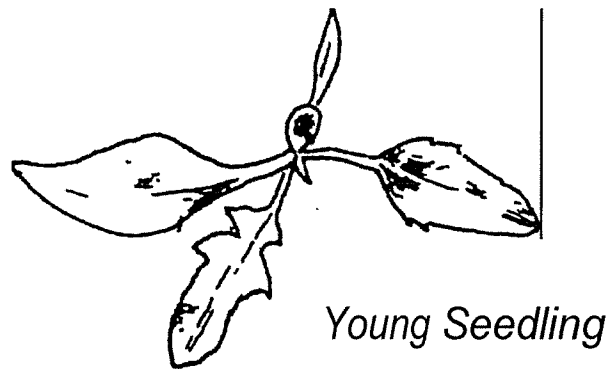
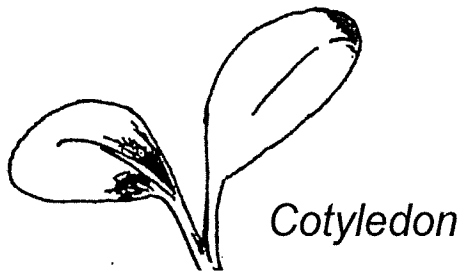




Yellow Starthistle Control

- I. Origin**
- II. Distribution**
- III. Impact**
- IV. Identification**
- V. Culture**
- VI. Control Program Design Factors**
- VII. Control Mechanisms**
- VIII. Strategic Planning for Control**

Early Growth Stages



Control Program

- Design Factors -

If your goal is:

LOU must:

Eradication

- eliminate all seed production
- deplete the seed reservoir
- prevent seed from outside from being introduced

Management

- reduce:
 - plant density
 - seed production
 - plant height
 - canopy size
- prevent YST patches from developing into solid stands

Containment

- delineate boundaries around the infested area
- eliminate peripheral patches and solitary plants outside the infested area

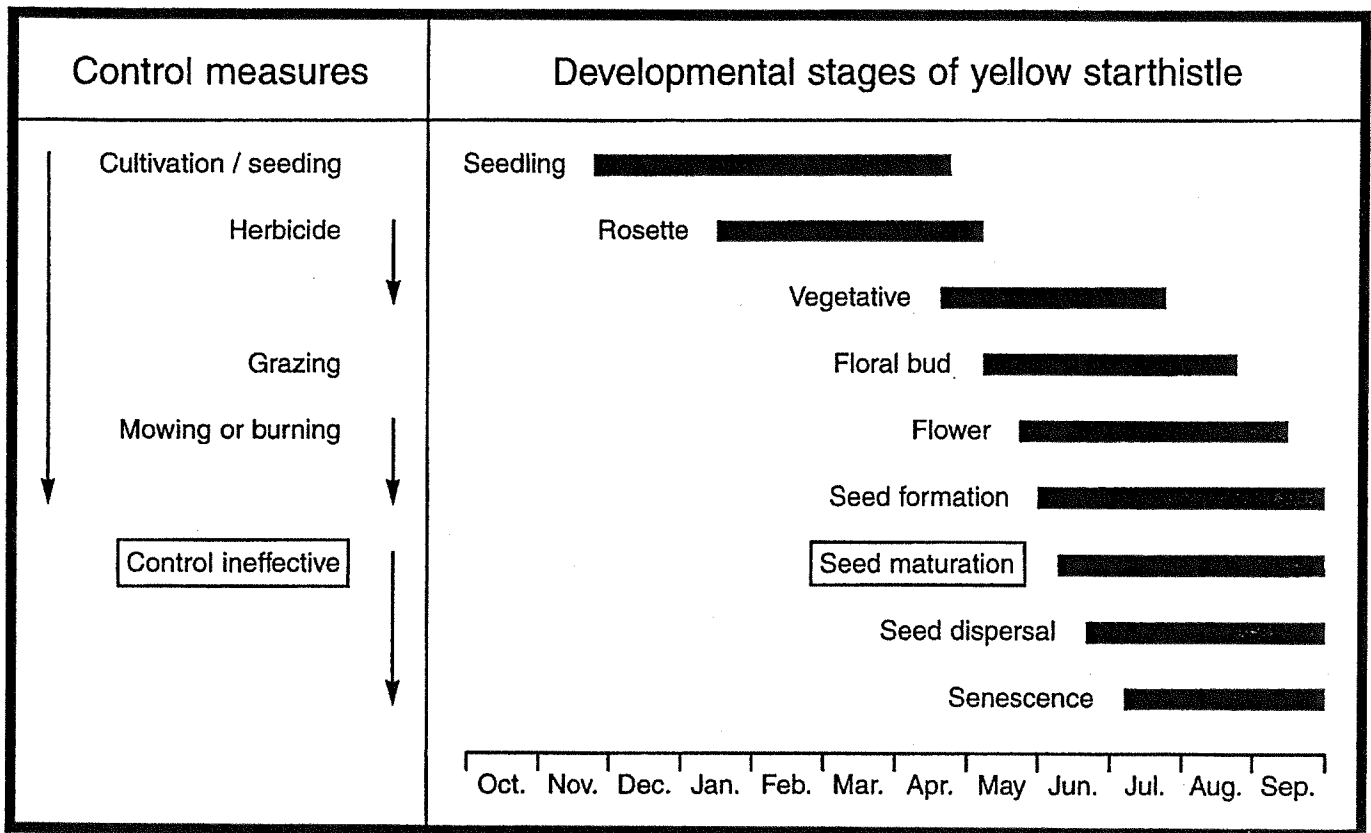
Prevention

- eliminate isolated plants
- use clean seed, hay, fill soil, & road building materials
- clean equipment & vehicles
- examine nursery stock & plantings

Take note of

- *relative abundance*
- *patterns of distribution, i.e. in the general area, in your area of concern*

Control Measures - Timing



HERBICIDES FOR CONTROL

NAME	NON- SELECTIVE	SELECTIVE	PRE/POST EMERGENT	SUITABILITY
Glyphosate (Roundup, & many names)	X		Post	-not for large areas -non-crop areas
2,4-D (Weed-B-Gone)		X	Post	-non-crop areas -drift problems
Dicamba (Weed-Be-Gone & others)		X	Post	-non-crop areas -drift problems
Trychlopyr (Ortho Poison Ivy & Brush Killer)		X	Post	-non-crop areas -drift problems
Clopyralid (Transline)		X	Both	-no grazing restrictions -non-crop areas -pesticide ID number required, contact county Ag Dept
Aminopyralid (Milestone)		X	Both	-same as Clopyralid

Source: William Frost (Natural Resource Advisor) & Joe DiTomaso (Extension Specialist) from
Yellow Star Thistle Workshop

Yellow Starthistle Leading Edge Project

To follow along with the videos at the right, print off the Yellow Starthistle Biology, Mechanical and Cultural Control Methods presentation below.

- Yellow Starthistle Biology, Mechanical and Cultural Control Methods; by Wendy West, UC Cooperative Extension, El Dorado County *January 23, 2010*
- Yellow Starthistle Control; by Joe DiTomaso, Cooperative Extension Weed Specialist, University of California, Davis *January 11, 2008*
- Yellow Starthistle Control Utilizing Herbicides; by LeeAnne Mila, El Dorado County Department of Agriculture *January 23, 2010*
- Yellow Starthistle Control in Vineyards & Orchards; by Scott Oneto, UC Cooperative Extension Central Sierra January of 2010

Publications & Handouts

- Yellow Starthistle Pest Note
- Landowner Strategic Plan
- Milestone and Transline - How much should I use?
- How to get Transline or Milestone?
- Equipment Rentals - El Dorado County Department of Agriculture
- Starthistle Killer Brand Calibration Safety Notes
- Pesticides: Safe & Effective Use in the Home Landscape Pest Note
- Soil Solarization for Gardens & Landscapes Pest Note

Other Resources

- A Landowner's Guide to Preventing the Introduction and Spread of Invasive Weeds - *El Dorado County Invasive Weed Management Group*
- A Builder and Contractor's Guide to Preventing the Introduction and Spread of Invasive Weeds - *El Dorado County Invasive Weed Management Group*
- Selected Invasive Weeds of the Central Sierra Nevada-A Field Guide - *4th Edition April 2007*

Resource:

http://cecentralsierra.ucanr.edu/Invasive_Weed_Management_Program/Yellow_Starthistle_Leading_Edge_Project/Presentations